## PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION		12. CONCLUSIONS
16 July 1963	35.38N 176.23W	(pacific)	D Was Balloon D Probably Balloon
3. DATE-TIME GROUP  Local	4. TYPE OF OBSERVATIO  Ground-Visual  MAir-Visual  6. SOURCE  military	N Ground-Rader  Air-Intercept Rader	Possibly Balloon  Was Aircraft Probably Aircraft Possibly Aircraft Was Astronomical Probably Astronomical Possibly Astronomical Possibly Astronomical
7. LENGTH OF OBSERVATION 8 minutes	One	9. COURSE SSE	Ox Other Sate Ilite ECHO I Insufficient Data for Evaluation Unknown
Bright light same as fir initially to west then to elevation. Faded at horiobservation	o SE. Observed at 45 d	eg heading NE a at 0750 it w peak 262 deg North Latitu East Longitu Saellite in	CHO crossed the equator of 0724 at 345 deg W. would be at it's orbital of the deg at 0802Z at 145 deg de. This places the the position of the observation. Case ECHO I.

ATIC FORM 329 (REV 26 SEP 52)

DEPARTMENT OF THE AIR FORCE

INCOMING

SMB A136

ZCZCHQA934ZCECB157

YY RUEAHQ

DE RUHPF BØ26

ZNR

15 16

Y 170913Z

FM COMBARPAC

TO RUHPHH/C OM HAWSEAFRON

RUHLKM/C INCPACAF

RUAUAAH HADD KUNIA

ZEN/ CINCNORAD

INFO RUECW/CNO

RUEAHO/COFS USAF

RUHPA/C INCPAC

RUHPB/C INCPACFLTO

R UHAF S/CINCUSARPAC

RUHLMP/PACAFBASECOM HICKMAN

R UECW/ SECNAV

NAVY GRNC

AF IN: 41373 (17 Jul 63) C/jmh Pg 1 of 2

ARMY-2, NAVY-2, CMC-8, JCS-35,

OSD-15, NSA-7, DIA-25, DIA/CIIC-3

INFO : NIN-9, XOP-1, XOPX-4, SAF-0S-3,

(115)

## STAFF MESSAGE BRANCH

## INCOMING

AF IN: 41373 (17 Jul 63)

Page 2 of 2

BI

UNCLAS

- A. JANAP 146D
- 1. CIRVIS REPORT
- 2. V43224
- 3. BRIGHT LIGHT SAME SIZE AS FIRST MAGNITUDE STAR
- 4. 35 38N 176 23W
- 5. 170808Z
- 6. ALTITUDE 45 DEG ABOVE HOR IZON
- 7. SSE
- 8. OBJECT SIGHTED INITIALL TO THE WESK...RISERVED TRAVELING ON SSE COURSE UNTIL FADED JUST ABOVE HORIZON AT TIME 0816ZO
- 9. EVALUATION UNKNOWN

BT NOTE: Adv cy to XOPX, NIN, DIA

17/09132

AF IN: 41403 (17 Jul 63) X/CEPASSITIED MESSAGE BRANCH

Pg 1 of 2

INFO: NIN-9, XOP-1, XOPX-1, CSAR-108-3N GRMY-2, CMC-8, JCS-35, OSD-15, NSA-7, DIA-25, DIA-CIIC-3 (103)

SMB A146

CZCHQA941ZCQJA116

00 RUEAHQ

DE RUHLKH 5

ZNR

0 170952ZFM 3

FM 326 AIR DIV KUNIA FACILITY HAWAII
TO RUHLKM/PACAF HICKAM AFB HAWAII

RUHPHH/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RUEAH O'C SAF USAF WASH DC

RUECW/ CNO WASH DC

RUECW/SECNAV WASH DC

RUWGALB/C INCNORAD ENT AFB COLO

RUHPA/CINCPAC CAMP H M SMITH HAWAII

RUHAFS/C INCUSARPAC FT SHAFTER HAWAII

RUHPB/CINCPACFLT PEARL HARBOR HAWUI

RUAUAZ/COMUSJAPAN FUCHU AS JAPAN

RUAMC/C OM USKOREA SEOUL KOREA

RUAGFL/COMUSTDC. TAIPEI TAIWAN

RUCSBRB/ CINCSAC OFFUTT AFB NEBR

RUHPD/COMASWFORPAC FORD ISLAND HAWAII

AF GRNC

BT

NCLAS HADOC-D 1263

NNNN

INCOMING

AF IN: 41403 (17 Jul63)

Pg 2 of 2

- A. JANAP 146D
- 1. CIRVIS REPORT
- 2. V43224
- 3. BRIGHT LIGHT SAME SIZE AS FIRST MAGNATUDE STAR
- 4. 35 38N 176 23W
- 5. 17/0808Z
- 6. ALTITUDE 45 DEGREES ABOVE ORIZON
- 7. SSE
- 8. OBJECT SIGHTED INITIALLY TO THE WEST. OBSERVED
  TRAVELING ON SSE COURSE UNTIL FADED JUST ABOVE
  HORIZON AT TIME Ø816Z
- 9. EVALUATION NONE AT THIS TIME

B

17/0958Z JUL RUHLKH NOTE: Xmitted bbeCIA SMB #431

A than	SATELLITE 1960 IOTA 1							SATELLITE 1960 10TA 1																
) . ICLA		SCUTH-ACRTH			ITLDES	NORTH-SCUTH				ECUATER FOR OTHER														
(ILI)	teng.	۱۸.	CCAP.	CCRR.		BEAR.	TIME CORR.	CCRR.		BEAR.		TIME	LONG.	LAT.	TIPE CORR.	LCNG. CORR.	HT.	BEAR. (N-E)	TIME CORR.	NCRTH- LCNG. CORR.	HT.	BEAR.		
				JLL	Y 14,	1963						*				JUL	Y 18,	1963		5.000000				
19 58.2	261.12 296.22 319.33 348.43 17.54 46.64 75.75 164.85 133.96 163.66 192.17	47.5 45.0 40-0 35.0 36.0 20.0 -20.0 -30.0 -40.0 -45.0 -47.5	21.6 17.9 15.1 12.7	-2E.78 -17.41 0.	613 668 612 083 706 781 879 766 1002	60.7 54.0 49.4 43.7 39.9 43.6 49.3 53.9 60.6	31.2 35.1 38.0 40.6 45.3 54.3 -51.5	129.09 119.58 104.53	694 730 769 8C2 833 894 1009 1108 1140 1152 1159 1155 1131	90.0 107.8. 119.3. 126.0. 136.6. 136.4. 140.2 136.5 136.8 126.2 119.4 107.9 90.0		2 35.C 4 30.1 6 25.1 8 20.2 10 15.2 12 10.2 14 5.3 16 0.3 17 59.4 19 50.4	247.22 276.32 305.42 334.53 3.63 32.73 61.84 90.94 120.04 149.14 178.25 207.35 236.45	47.5 45.0 40.0 35.0 30.0 20.0 0. -20.0 -30.0 -35.0 -40.0 -45.0	21.9	-83.24 -61.CC	673 669 678 691 707 747 966 1029 1061 1094 1129 1156	90.0 72.2 60.7 54.0 49.4 43.7 39.9 43.6 49.3 53.9 60.6 72.1	31.4 35.2 38.1 40.6 45.2 53.9 -52.0	119.41	722 748 775 830 944 1057 11 C7 11 28 11 47	90.0 107.8 117.3. 126.0. 130.6. 136.3. 140.2. 136.4 130.7 126.2 117.4 107.9		
		JULY 15, 1763											JUL	Y 19.	1963									
3 36.4	6.80 35.90 65.00 94.11 173.71 152.37	-47.5 45.0 40.0 35.0 20.0 20.0 -20.0 -30.0 -40.0 -40.0 -40.0	21.7 17.9 15.1 12.7	45.31	675 686 715 802 917 562 1016 1055 1079	12.2 60.7 54.0 49.4 43.7 39.9 43.6 49.1 51.9 60.6 72.2	31.2 35.1 38.0 40.5 45.2 51.2 -51.6 -46.4 -43.5 -40.1	126.28 129.04 119.53 104.48	7 20 7 55 7 67 8 17 8 17 9 9 2 10 9 4 11 3 3 11 4 0 11 5 7 11 5 9	107.8. 119.3. 126.0. 130.6. 136.3. 140.2		5 25.6	294.66 323.76 352.86 21.96 51.06 80.17 109.27 138.27 167.47 196.57	47.5 45.0 40.0 35.0 30.0 20.0 -20.0 -10.0 -40.0 -45.0 -47.5	22.0	-28.70 -17.35 C. 17.25 28.45 35.72 45.25 60.32	671 683 699 717 760 863 982 1044 1075 1105	72.2 60.7 54.0 49.4 43.7 39.9 43.6 49.3 53.9 60.6	31.5 35.3 38.1 40.6 45.2 53.9 -52.1 -47.0 -44.1 -40.7	136.13 120.08 119.37 104.31	687 712 736 761 814 927 1043 1095 1119 1140 1158	176.2		
		JULY 16, 1963							JULY 20. 1963															
	34.25 83.36 112.46 141.57 170.67 199.77	-45.0	14.0 15.2 12.8 8.4 0. -8.7 -13.7 -16.5 -19.7 -24.2		672 725 816 933 998 1032 1068 1110	43.6° 49.3° 53.9° 60.6°	11.1 15.1 18.0 40.5 45.2 54.1 -51.8 -46.6 -43.6 -40.2 -35.7	-83.32 -105.55 -120.79 -130.42 -137.78 -149.06 -166.32 147.40 136.24 129.00 119.49 104.44 82.46	774 803 861 977 1083 1125 1142 1155 1160	136.3. 140.2. 136.5 130.8 126.2 119.4 107.9		2 31.0 4 26.0 6 21.1 0 16.1 10 11.1 12 6.2 14 1.2 15 56.2 17 51.3 19 46.3	312.98 342.08 11.18 40.29 69.39 98.49 127.59 156.69 185.79 214.89	-45.0	72.1 18.3 15.5	-45.69 -36.04 -28.68 -17.34 0. 17.23 28.43 35.69 45.22 60.28	689 707 727 772 879 998 1057 1087 1115 1144	49.3. 53.9. 60.6. 72.1	35.3 38.2 40.7 45.2 53.9 -52.2 -47.1 -44.2 -40.8	-83.74 -1(5.37 -170.73 -130.37 -137.73 -145.05 -166.37 147.29 136.11 128.85 119.34 104.28 82.31	703 749 799 911 1029 1084 1110 1133 1154	126.1 117.4 107.9		
			,	JUL	Y 17.	1963							PEDIFIED CRBITAL ELEPENTS FOR EARTH SATELLITE 1960 101A 1											
3 34.5 5 29.6 1 24.6	72.60 101.70 130.61 159.71 187.01	47.5 45.0 40.0 35.0 30.0 20.0 -20.0 -30.0 -40.0 -45.0 -47.5	21.8 18.1 15.3 12.8	28.50 35.77 45.31 60.39	665 674 685 695 736 832 950 1014 1047 1082 1120	90.0 72.2 60.7 54.0 49.4 43.7 39.9 43.6 49.3 53.9 60.6 72.1	31.3 35.1 28.0 40.6 45.2 54.0 -51.9 -46.7 -43.8 -40.4 -35.8	-83.30 -105.54 -120.78 -130.42' -137.76 -149.06 -166.34 147.36 136.20 128.96 119.45 104.40 82.42	702 732 760 789 845 960 1070 1116 1135 1151 1160	130.6 136.3 140.2 136.5 130.7 126.2 119.4 107.9	REFERENCE TIPE 1963 Y 7 H & D 1 H 11.12 M UT INCLINATION 47.28 EEG. ASCENDING NGCE (LONG.) 203.62 EEG. WEST PRIME SHEEP INTERVAL ONE DAY -16.95 MIN. ARGUMENT CF PERIGEE 32.13 DEG.													

RATE CF CHANGE -3.30358 DEG. PER CAY

LATITUCE OF PERIGEE 23.00 DEC.

READ-IN EXPECTED

MA SOUTH THE SECTION OF THE SECTION